

Table 33-6. Recommended levels of key nutrients for dogs at risk for developmental orthopedic disease compared to levels in selected dry commercial foods marketed for large- and giant-breed puppies.*

	Energy density (kcal/cup)**	Energy density (kcal/g DM)	Fat (%)	DHA (%)	Ca (%)	Ca-P ratio
Recommended levels	-	3.2-4.1	8.5-17	≥0.02	0.8-1.2	1.1:1-2:1***
Hill's Ideal Balance Large Breed Natural Chicken & Brown Rice Recipe Puppy	413	4.0	15.1	0.117	1.15	1.2:1
Hill's Science Diet Puppy Large Breed Lamb Meal & Rice Recipe	355	3.9	16.2	0.192	1.20	1.2:1
Hill's Science Diet Healthy Advantage Puppy Large Breed	417	4.0	16.1	0.232	1.18	1.3:1
Iams Eukanuba Large Breed Puppy Formula	337	na	15.6	na	0.72	1.2:1
Purina Pro Plan FOCUS Puppy Large Breed Formula	417	4.5	15.5	na	1.27	1.2:1
Royal Canin Labrador Retriever Puppy	308	4.0	13.3	na	0.94	1.2:1

Key: DM = dry matter, DHA = docosahexanoic acid, na = not available from manufacturer.

*Nutrients are expressed on dry matter basis except for energy density, which is expressed on an as fed basis.

**Energy density values are as fed and are useful for determining the amount to feed; cup = 8-oz. measuring cup. To convert to kJ, multiply kcal by 4.184.

***The lower end of the range is preferred.